

**PATENT APPLICATION**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of

Docket No: Q78705

Yasumasa SHIMIZU, et al.

Appln. No.: Not Assigned

Confirmation No.: Not Assigned

Group Art Unit: Not Assigned

Filed: December 1, 2003

Examiner: Not Assigned

For: MULTI-PIECE SOLID GOLF BALL

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. §§ 1.97 and 1.98**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

One copy of each of the listed documents, other than any U.S. patents and patent publications, is submitted herewith.

The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date; (2) Before the mailing date of the first Office Action on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after filing a request for continued examination (RCE) under §1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

INFORMATION DISCLOSURE STATEMENT

Q78705

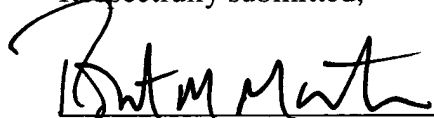
USSN: Not yet assigned

The foreign language documents (except for the article "Report of Research & Development; Fine Chemical; Vol. 23; No. 9; June 1, 1994") that are being submitted herewith, include an English language abstract and/or are discussed in the specification, thereby providing a concise explanation for such foreign language documents.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this paper is attached.

Respectfully submitted,



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WASHINGTON OFFICE

23373

CUSTOMER NUMBER

Date: December 1, 2003

Substitute for Form 1449 A & B/PTO  <b><u>INFORMATION DISCLOSURE</u></b> <b><u>STATEMENT BY APPLICANT</u></b>  (use as many sheets as necessary)				<i>Complete if Known</i>	
				Application Number	Not Assigned
				Confirmation Number	Not Assigned
				Filing Date	December 1, 2003
				First Named Inventor	Yasumasa SHIMIZU
				Art Unit	Not Assigned
				Examiner Name	Not Assigned
Sheet	1	of	1	Attorney Docket Number	Q78705

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
		US 4,546,980		10-15-1985	Paul M. GENDREAU et al.
		US 4,692,497		09-08-1987	Paul M. GENDREAU et al.
		US 4,770,422		09-13-1988	Sharon R. ISAAC
		US 5,312,857	A	05-17-1994	Michael J. SULLIVAN
		US 5,306,760	A	04-26-1994	Michael J. SULLIVAN
		US			
		US			

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
		JP	62-089750	A	04-24-1987		English Abstract
		JP	63-275356	A	11-14-1988		English Abstract
		JP	02-268778	A	11-02-1990		English Abstract
		JP	03-151985	A	06-28-1991		English Abstract
		JP	07-268132	A	10-17-1995		English Abstract
		JP	11-035633	A	02-09-1999		English Abstract
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		JP	11-164912	A	06-22-1999		English Abstract
		JP	11-319148	A	11-24-1999		English Abstract
		JP	20002-293996		10/9/2002	See Publication No. 2002/0137848	English Abstract
		WO	98/46671	A1	10-22-1998		Yes

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>
		Mark R. MASON et al.; "Hydrolysis of Tri- <i>tert</i> -butylaluminum: The First Structural Characterization of Alkylaluminumoxanes [(R <sub>2</sub> Al) <sub>2</sub> O] <sub>n</sub> and (RAIO) <sub>n</sub> "; American Chemical Society; 115; 1993; pp. 4971-4984.	
		C. Jeff HARLAN et al.; "Three-Coordinate Aluminum Is Not A Prerequisite for Catalytic Activity in the Zirconocene-Alumoxane Polymerization of Ethylene"; American Chemical Society; 117; 1995; pp. 6465-6474.	
		Report of Research & Development; Fine Chemical; Vol. 23; No. 9; June 1, 1994; pp. 5-15.	No

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to indicate here if English language Translation is attached.